

**Amendments to the Specification:**

On Page 1, before the first paragraph, please add the following paragraphs:

BACKGROUND OF THE INVENTION

1. Field of the Invention

On Page 1, please amend the first paragraph as follows:

The invention relates to a textile material with antenna components of an HF transponder ~~according to the preamble of claim 1~~ which may be operated by connection of a circuit module to the antenna components which are tuned or may be tuned to a working frequency.

On Page 1, before the second paragraph, please add the following paragraph:

2. The Prior Art

On Page 2, before the first paragraph, please add the following paragraph:

SUMMARY OF THE INVENTION

On Page 2, please amend the second paragraph as follows:

This object is achieved in a textile material with antenna components of an HF transponder ~~according to the preamble of claim 1 by the features of this claim~~ which may be operated by connection of a circuit module to the antenna components which are tuned or may be tuned to a working frequency, wherein the antenna components consist of electrically conductive components of the textile material itself which may be formed as an E-field antenna, using the geometry thereof to match a working frequency in the UHF or microwave range, or by interruption or extension of a conductive section.

On Page 2, please amend the third paragraph as follows:

Further developments and advantageous embodiments are ~~obtained from the dependent claims~~ discussed below.

On Page 8, before the second full paragraph, please add the following paragraph:

#### BRIEF DESCRIPTION OF THE DRAWINGS

On Page 8, please amend the fifth full paragraph as follows:

Fig. 3 shows a prototype with a groundplane antenna on a 1:1 scale, ~~and~~

On Page 8, please amend the sixth full paragraph as follows:

Fig. 4 shows a prototype with a groundplane antenna on a 1:1 scale, and-

On Page 8, before the paragraph bridging pages 8 and 9, please add the following paragraphs:

Fig. 5 shows an embodiment of the textile material according to the invention.

#### DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

On Page 9, please amend the last paragraph as follows:

Figure 2 shows a view of web-like textile raw material 10 with electrically conductive threads 12, 18 running alternatively in the web direction and transverse to the web direction and an HF transponder. The electrically conductive threads 12, 18 in the

web direction and transverse to the web direction each run parallel and are mutually spaced. The conductive length of the threads in the web direction is divided into sections 14, each comprising  $\lambda/4$  of the wavelength of the intended operating frequency. The sections 14 can be formed by interrupted threads or continuous threads with an interrupted electrically conductive component. The electrically conductive threads  $\oplus$  18 transverse to the direction of the web are continuous. The points of intersection between the threads running in the direction of the web and transverse to the direction of the web are suitable as connection points for connection to antenna connections of a circuit module. A circuit module 16 is connected to one of these connection points and with the contacted antenna components forms a  $\lambda/4$  groundplane comprising a  $\lambda/4$  antenna in the form of the antenna component running in the direction of the web and a counterpoise in the form of the antenna component running transverse to the direction of the web.

On Page 10, please amend the last full paragraph as follows:

The conductive threads 12 can be concealed inside the textile material and only emerge at predefined outlet points 20 to form the connections points at the surface as shown in Fig. 5. This also applies to the formation of antenna ends, that is the

hot ends of the antenna if continuously conductive threads are to be separated. The spacings of the outlet points correspond to a quarter of the wavelength  $(\lambda/4)$  of the working frequency.

On Page 11, after the paragraph bridging pages 10 and 11, please add the following paragraph:

The circuit module 16 itself and its antenna connections are preferably enclosed by a potting compound 22 and the potting compound 22 is at the same time connected to the region of the textile material adjacent to the circuit module 16 for mechanical fixing of the circuit module 16 and/or increasing the security against tampering. The circuit module 16 is fixed to the textile material by the potting compound 22 such that the potting compound 22 penetrates deep into the textile material as a result of the capillary effect. Separation is only possible by destruction so that tampering can be identified. Furthermore, the circuit module 16 is protected against mechanical and chemical influences by the potting compound 22. The additional incorporation of the antenna connections provides protection of the contacts and at the same time provides stress relief at the antenna ends, reducing the risk of breakage at the antenna connections of the circuit module.